(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 22 June 2006 (22.06.2006)

(10) International Publication Number WO 2006/066189 A3

(51) International Patent Classification: *G06K 19/07* (2006.01)

(21) International Application Number:

PCT/US2005/045888

(22) International Filing Date:

13 December 2005 (13.12.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

11/013,648

15 December 2004 (15.12.2004) US

(71) Applicant (for all designated States except US): INTEL CORPORATION [US/US]; 2200 Mission College Boulevard, Santa Clara, California 95052 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): POSAMENTIER, Joshua [US/US]; 1386 Holman, Oakland, California 94610 (US).

(74) Agents: KACVINSKY, John et al.; LAW OFFICE OF JOHN F. KACVINSKY, 4500 Brooktree Road, Suite 300, Wexford, Pennsylvania 15090 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US,

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

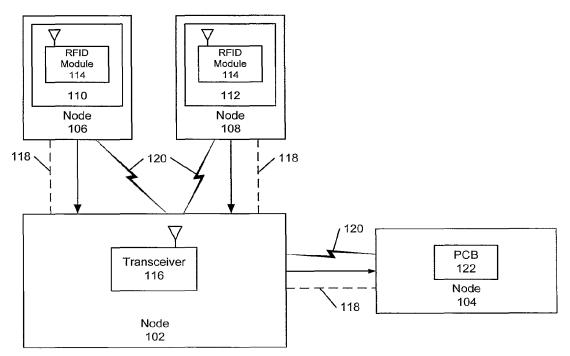
with international search report

UZ, VC, VN, YU, ZA, ZM, ZW.

- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 10 August 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: WIRELESS MODULE ENABLED COMPONENT CARRIER FOR PARTS INVENTORY AND TRACKING



(57) Abstract: Apparatus, system, and method for wireless module enabled component carrier for parts inventory and tracking are described.

INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER INV. G06K19/07

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y		ı
A	DE 100 56 112 A1 (ELISABETH SPRENGER GMBH,) 23 May 2002 (2002-05-23)	1-8, 10-12, 15, 19-25, 27-36
	the whole document	
Х	EP 1 223 128 A (YUSHIN SYSTEM CO., LTD) 17 July 2002 (2002-07-17) paragraphs [0007] - [0013]; figure 1	1,15,33
X	US 2002/125997 A1 (KASHI MOTOFUMI ET AL) 12 September 2002 (2002-09-12) paragraphs [0007] - [0010], [0026]; figure 1	1,15,33
	/	

Further documents are listed in the continuation of Box C.	X See patent family annex.
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
31 May 2006	07/06/2006
Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Schauler, M

INTERNATIONAL SEARCH REPORT

Internation No
PCT/US2005/045888

		PCT/US2005/045888					
C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT							
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.					
Х	EP 0 350 179 A (W. & T. AVERY LIMITED; GEC AVERY LIMITED) 10 January 1990 (1990-01-10) the whole document	1,15,33					
A	US 2004/088070 A1 (MUEHL GORDON ET AL) 6 May 2004 (2004-05-06) paragraphs [0030] - [0037]; figure 1	1,15,33					
A	EP 1 396 810 A (RICOH COMPANY, LTD) 10 March 2004 (2004-03-10) paragraphs [0013] - [0033]; figures 1,2	1,15,33					

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2005/045888

Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
DE 10056112	A1	23-05-2002	NONE			
EP 1223128	A	17-07-2002	WO JP JP US	0172619 3618676 2001341845 2002161878	B2 A	04-10-2001 09-02-2005 11-12-2001 31-10-2002
US 2002125997	A1	12-09-2002	JP	2000357847	Α	26-12-2000
EP 0350179	A	10-01-1990	DE DE WO JP	68912426 68912426 8912871 3500033	T2 A1	03-03-1994 11-05-1994 28-12-1989 10-01-1991
US 2004088070	A1	06-05-2004	AU WO EP	2003282075 2004040490 1563425	A1	25-05-2004 13-05-2004 17-08-2005
EP 1396810	Α	10-03-2004	JP US	2004161376 2004041696		10-06-2004 04-03-2004